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United States Department of Agriculture,

DIVISION OF PUBLICATIONS.

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MONTHLY LIST OF PUBLICATIONS.

[FEBRUARY, 1913.]

NOTE.—Copies of any of the publications listed herein, **except publications of the Weather Bureau**, may be obtained **free upon application to the Editor and Chief of the Division of Publications, U. S. Department of Agriculture, Washington, D. C.**, as long as the department's supply lasts. The edition of many of the publications is necessarily limited, and when same is exhausted applicants may obtain copies from the Superintendent of Documents, Government Printing Office, Washington, D. C., who, under the provisions of the joint resolution of March 28, 1904, is empowered to have reprints made and sell them at the prices herein given. Do not apply to the Superintendent of Documents for publications **without sending the price of same**, as he does not distribute them except by sale. The price of all documents, unless otherwise noted, is 5 cents per copy.

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The Department of Agriculture does not distribute or control the distribution of the publications of the State boards of agriculture or of the State agricultural experiment stations.

ADVANCE SHEETS, FIELD OPERATIONS OF THE BUREAU OF SOILS.

Soil Survey of the Quincy Area, Washington. By A. W. Mangum, Cornelius Van Dyne, and H. L. Westover. Pp. 64, pls. 3, figs. 7, map. (From F. O. Soils, 1911.) Price, 15 cents.

BULLETINS.

NEW.

Dairy Herd Records. (From 1899 to 1908, inclusive.) A Digest Prepared by the Dairy Division from Data Collected by W. D. Hoard. Pp. 57. (Bulletin 164, Bureau of Animal Industry.) Price, 10 cents.

Technical Papers on Miscellaneous Forest Insects. VI. Chalcidids Injurious to Forest-Trees Seeds. By S. A. Rohwer, Entomological Assistant. Pp. 157-163. (Technical Series, No. 20, Part 6, Bureau of Entomology.) Price, 5 cents.

The Dispersion of the Gipsy Moth. By A. F. Burgess, Expert in Charge of Biological Investigations. Pp. 62, pls. 16, figs. 6, map. (Bulletin 119, Bureau of Entomology.) Price, 20 cents.

Report of a Trip to India and the Orient in Search of the Natural Enemies of the Citrus White Fly. By Russell S. Woglum, Entomological Assistant. Pp. 58, pls. 12, figs. 2. (Bulletin 120, Bureau of Entomology.) Price, 15 cents.

Contents and Index to Bulletin 95, Bureau of Entomology, Papers on Cereal and Forage Insects. Pp. xii+119-128. Price, 5 cents.

Organization Lists of the Agricultural Colleges and Experiment Stations in the United States. December, 1912. Pp. 114. (Bulletin 253, Office of Experiment Stations.) Price, 10 cents.

Experiment Station Record Vol. XXVIII, No. 1, January, 1913. E. W. Allen, Ph. D., Editor. Pp. 1-100. Price, 15 cents.

The Record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts, and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, nine numbers each, at \$1 a volume.

Forestation of the Sand Hills of Nebraska and Kansas. By Carlos G. Bates, Forest Assistant, and Roy G. Pierce, Deputy Supervisor. Pp. 49, pls. 13, figs. 1. (Bulletin 121, Forest Service.) Price, 10 cents.

Monthly Bulletin of the Library, December, 1912. Vol. 3, No. 12. Pp. 366-390. (Library.) Price, 5 cents.

Contents and Author Index to Monthly Bulletin of the Library, Vol. 2, 1912. Pp. iii+367-471. (Library.) Price, 5 cents.

The Persian Walnut Industry of the United States. By E. R. Lake, Assistant Pomologist, Pomological Collections. Pp. 112, pls. 11, figs. 24. (Bulletin 254, Bureau of Plant Industry.) Price, 20 cents.

The Destruction of Cellulose by Bacteria and Filamentous Fungi. By I. G. McBeth, Physiologist, and F. M. Scales, Assistant Soil Mycologist, Soil-Bacteriology and Plant-Nutrition Investigations. Pp. 50, pls. 4. (Bulletin 266, Bureau of Plant Industry.) Price, 10 cents.

Nonperennial Medicagos: The Agronomic Value and Botanical Relationship of the Species. By Roland McKee, Scientific Assistant, Office of Forage-Crop Investigations, and P. L. Ricker, Assistant Botanist, Office of Taxonomic and Range Investigations. Pp. 38, pls. 13. (Bulletin 267, Bureau of Plant Industry.) Price, 15 cents.

Data for Use in Designing Culverts and Short-Span Bridges. By Charles H. Moorefield, Highway Engineer, Office of Public Roads. Pp. 39, pls. 16, figs. 4. (Bulletin 45, Office of Public Roads.) Price, 15 cents.

Field Records Relating to Subsoil Water. By W. J. McGee, Expert in Charge, Soil Water Investigations. Pp. 40. (Bulletin 93, Bureau of Soils.) Price, 5 cents.

International Trade in Farm and Forest Products, 1901-1910. By Eugene Merritt, Division of Production and Distribution. Pp. 57. (Bulletin 103, Bureau of Statistics.) Price, 5 cents.

REPRINTS.

Papers on Deciduous Fruit Insects and Insecticides. The Peach-Tree Barkbeetle. (Bulletin 68, Part 9, Bureau of Entomology.) Price, 5 cents.

The Forest Resources of the World. (Bulletin 83, Forest Service.) Price, 10 cents.

Lightning in Relation to Forest Fires. (Bulletin 111, Forest Service.) Price, 10 cents.

The Weed Factor in the Cultivation of Corn. (Bulletin 257, Bureau of Plant Industry.) Price, 10 cents.

What is Farm Management? (Bulletin 259, Bureau of Plant Industry.) Price, 10 cents.

CIRCULARS.

NEW.

Rule 1, Revision 10.—To Prevent the Spread of Splenic, Southern, or Texas Fever in Cattle. (B. A. I. Order 194.)

Annual Report of the Governor of Alaska on the Alaska Game Law, 1912. By Walter E. Clark, Governor of Alaska. Pp. 14. (Circular 90, Bureau of Biological Survey.)

The Effect of Certain Pigments on Linseed Oil; With a Note on the Manganese Content of Raw Linseed Oil. By E. W. Boughton, Assistant Chemist, Contracts Laboratory. Pp. 7. (Circular 111, Bureau of Chemistry.)

List of State Directors of Farmers' Institutes and Farmers' Institute Lecturers of the United States. Pp. 13. (Circular 114, Revised, Office of Experiment Stations.)

The Work of the Agricultural Colleges in Training Teachers of Agriculture for Secondary Schools. Pp. 29. (Circular 118, Office of Experiment Stations.)

Experiments in the Control of Grape Anthracnose. By Lon A. Hawkins, Scientific Assistant, Fruit-Disease Investigations. Pp. 8, pls. 2. (Circular 105, Bureau of Plant Industry.)

- A Variety of Maize with Silks Maturing before the Tassels. By G. N. Collius, Botanist, Crop Acclimatization and Adaptation Investigations. Pp. 11, figs. 3. (Circular 107, Bureau of Plant Industry.)
- Miscellaneous Papers. [I.] Preliminary Report on Sugar Production from Maize. By C. F. Clark. [II.] Durango Cotton in the Imperial Valley. By O. F. Cook. [III.] Improved Apparatus for Detecting Sulphured Grain. By G. H. Baston. [IV.] Supernumerary Carpels in Cotton Bolls. By R. M. Meade. [V.] Keeping Soft Cuttings Alive for Long Periods. By G. W. Oliver. Pp. 31, figs. 9. (Circular 111, Bureau of Plant Industry.)
- Miscellaneous Papers. [I.] Opportunities in Pecan Culture. By C. A. Reed. [II.] The Jonathan Fruit-Spot. By W. M. Scott and J. W. Roberts. [III.] Egyptian Cotton as Affected by Soil Variations. By T. H. Kearney. [IV.] Relation of Stand to Yield in Hops. By W. W. Stockberger and James Thompson. Pp. 32, figs. 2. (Circular 112, Bureau of Plant Industry.)
- Miscellaneous Papers. [I.] Soil Bacteriology as a Factor in Crop Production. By K. F. Kellerman. [II.] A New Ornamental Palmetto in Southern Texas. By O. F. Cook. [III.] Commercial Truck Crops on the Truckee-Carson Project. By F. B. Headley and Vincent Fulkerson. [IV.] A Purple-Leaved Mutation in Hemp. By L. H. Dewey. [V.] The Tuber-Unit Method of Seed-Potato Improvement. By William Stuart. Pp. 31, figs. 2. (Circular 113, Bureau of Plant Industry.)
- Miscellaneous Papers. [I.] Sowing Flax on Winterkilled Wheat Fields. By M. W. Evans. [II.] Experiments in Subsoiling at San Antonio. By S. H. Hastings and C. R. Letteer. [III.] Control of the Black-Rot and Stem-Rot of the Sweet Potato. By L. L. Harter. [IV.] Bartlett Pear Precooling and Storage Investigations in the Rogue River Valley. By A. V. Stubenrauch and H. J. Ramsey. [V.] Climatic Conditions on the Truckee-Carson Project. By F. B. Headley. Pp. 30, fig. 1. (Circular 114, Bureau of Plant Industry.)
- Monthly List of Publications for January, 1913. Pp. 4. (Document 780, Division of Publications.)
- Foreign Crops: January. Summary, By Countries, of the Area and Production of Cereals, 1908-1912, and of Flaxseed, 1909-1911. Compiled under the direction of Charles M. Daugherty, Chief of the Division of Research and Reference. Pp. 18. (Circular 45, Bureau of Statistics.)
- Crop Reporter, Vol. 15, No. 2, February, 1913. Pp. 9-16. (Bureau of Statistics.)
- The Crop Reporter is a two-column quarto publication devoted to agricultural statistics.

REPRINTS.

- The Regeneration of the Morgan Horse. (Circular 163, Bureau of Animal Industry.)
- Methods for the Eradication of Gid. (Circular 165, Bureau of Animal Industry.)
- The Extra Cost of Producing Clean Milk. (Circular 170, Bureau of Animal Industry.)
- Fermented Milks. (Circular 171, Bureau of Animal Industry.)
- A New Method of Determining Fat and Salt in Butter, Especially Adapted for Use in Creameries. (Circular 202, Bureau of Animal Industry.)
- National Reservations for the Protection of Wild Life. (Circular 87, Bureau of Biological Survey.)
- The White-Pine Weevil. (Circular 90, Bureau of Entomology.)
- The Asparagus Beetles. (Circular 102, Bureau of Entomology.)
- The Rose Slugs. (Circular 105, Bureau of Entomology.)
- Control of the Mediterranean Flour Moth by Hydrocyanic-Acid Gas Fumigation. (Circular 112, Bureau of Entomology.)
- The Larger Corn Stalk-Borer. (Circular 116, Bureau of Entomology.)
- The Occurrence of Bee Diseases in the United States. (Circular 138, Bureau of Entomology.)
- The Indian-Meal Moth and "Weevil-Cut" Peanuts. (Circular 142, Bureau of Entomology.)
- Insects Injurious to Mushrooms. (Circular 155, Bureau of Entomology.)
- Hydrocyanic-Acid Gas against Household Insects. (Circular 163, Bureau of Entomology.)
- Distribution of Seeds and Plants by the Department of Agriculture. (Circular 100, Bureau of Plant Industry.)



Sand-Clay and Earth Roads in the Middle West. (Circular 91, Office of Public Roads.)

Special Road Problems in the Southern States. (Circular 95, Office of Public Roads.)

The Wire-Basket Method for Determining the Manurial Requirements of Soils. (Circular 18, Bureau of Soils.)

FARMERS' BULLETIN.

NEW.

Canning Tomatoes at Home and in Club Work. I. Canned Tomatoes, Catchup, Chow-Chow, etc., By J. F. Breazeale, Assistant, Plant-Chemistry Laboratory, Bureau of Chemistry. II. Canning Tomatoes in Clubs and for Market. By O. H. Benson, Specialist in Charge of Club Work, Office of Farm Management, Bureau of Plant Industry. Pp. 36, figs. 12. (Farmers' bulletin 521.)

Tobacco Curing. By W. W. Garner, Physiologist in Charge of Tobacco and Plant-Nutrition Investigations, Bureau of Plant Industry, Pp. 24, figs. 4. (Farmers' Bulletin 523.) [Supersedes Farmers' Bulletin 60.]

SEPARATES.

NEW.

Drainage Investigations, 1910-11. By H. H. Barrows, Office Engineer, Drainage Investigations. Pp. 40-48. (O. E. S. Doc. 1503. From Annual Report of the Office of Experiment Stations, 1911.)

Statistics of Land-Grant Colleges and Agricultural Experiment Stations, 1911. By Butler B. Hare, Assistant in Agricultural Education. Pp. 231-275. (O. E. S. Doc. 1505. From Annual Report of the Office of Experiment Stations, 1911.)

Progress in Agricultural Education, 1911. By Dick J. Crosby, Specialist in Agricultural Education, Office of Experiment Stations. Pp. 277-341, pls. 6. (Document 1506. From Annual Reports of the Office of Experiment Stations.)

The Farmers' Institutes in the United States, 1911. By John Hamilton, Farmers' Institute Specialist, Office of Experiment Stations. Pp. 343-388. (O. E. S. Doc. 1507. From Annual Reports of the Office of Experiment Stations, 1911.)

SEPARATES.

REPRINT.

The Principal Insect Enemies of the Peach. (Separate 386, Yearbook 1905.)

The Present Outlook for Irrigation Farming. (Separate 576, Yearbook 1911.)

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted.

Monthly Weather Review, Vol. 40, No. 11, November, 1912. Prepared under the direction of Willis L. Moore, Chief, U. S. Weather Bureau. Pp. 1611-1764, maps 2, charts 8. (W. B. No. 496.) Price, 35 cents; \$4 a year.

National Monthly Weather Bulletin No. 1, for January, 1913, reporting temperature and rainfall with a summary of weather conditions throughout the United States. [Weekly, April-September, Monthly, remainder of year.] Price, 25 cents a year.

Snow and Ice Bulletins for February 4, 11, 18, 25. These bulletins are issued weekly during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Price, 25 cents a year.

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JOS. A. ARNOLD,
Editor and Chief.

Approved:
JAMES WILSON,
Secretary of Agriculture.